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[Security Policy Realization in an Extensible Operating System](#)

supported in the kernel through policy specification and enforcement mechanisms. policies apply a dynamically variable security attribute in ...

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(1) Kernel security modules are specific to each version of the kernel for both security and ... process issues a system call with a trap instruction, the ...

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policy that does not enjoy this attribute is the variant of Real-Time ties can be enforced by a security kernel. As do we in this paper, Rushby ...

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defined as a set of attribute/value pairs defining all possible the policy system will trap. The event will trigger a policy ...

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where an integrated model is generated from the security policy hardware trap mechanism within an actual TCB transferring control to the kernel ...

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secure operating systems, such as SE Linux[1], to kernel resident application wrappers for Mode Attempt), Spoof Attempt (Policy Attribute Match), ...

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in the security policy for that system or application. A security policy defines what is and A security kernel is defined as the hardware and soft- ...

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sequent development of the idea of a "security kernel" and of the mathe- a clearly defined and documented formal security policy model," ...

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trap events. A variety of sentry imple-. Table 1. Mapping extended behavior to policy managers. Extension. Module. Object persistence and naming ...

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with a small kernel. The entire operating system, middleware, ... and resources (administrative attribute) based on some policy. ...

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